



Date Created: 2/24/2004
Date Issued: 4/8/2004
PCN # 20040802

FORECAST CHANGE NOTIFICATION

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence. This is a preliminary notification. A final PCN will be issued when qualification is complete and data is available.

If you require data or samples to qualify this change, please contact **Fairchild Semiconductor within 30 days of receipt of this notification.**

If you have any questions concerning this change, please contact:

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PCN Originator

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REL Engineer

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PCN Type: Alternate Fab Location

Effectivity

Expected 1st Device Shipment Date: 7/9/2004
Earliest Year/Work Week of Changed Product: 0428
(Note: Package marking may differ from this format)

Product ID (Description):

The change will affect certain products currently qualified at several wafer fab lines as noted in the "Change of Description" section. The products affected by this change are listed below in the "Affected FSIDs" section.

Description of Change:

The products identified in the attached "Affected FSIDs" list, will be qualified at our foundry CSMC facility for wafer fabrication. This will be an alternate fab site for these products.

CSMC address is for reference:

Central Semiconductor Manufacturing Corporation. (CSMC)
14, Liangxi Road,
Wuxi, Jiangsu,
China, 214061

Current approved fabrication sites:

Advanced Semiconductor Manufacturing Corp. of Shanghai (ASMC)
 385 Hong Cao Road
 Shanghai 200233
 P.R. China

Fairchild Semiconductor
 (420-711) 82-3 Todang-Dong
 Wonmi-District
 Bucheon City, Kyonggi Province
 Korea

Effect of Change:

The alternative wafer fabrication of these devices to another QS9000 approved wafer fabrication site will have no effect on device specifications, performance, function, quality, or reliability.

Qualification:

Qualification testing will be comprised of one 55v product as a test vehicle (3 lots). The testing qualification plan is as follows:

Qual/REL Plan Numbers

Additional Qualification Data

Qual Plan Nbr : QP03340094-A
Title : Qualification of 55/20V UltraFETs , CSMC subcon
Background/Description : We are currently qualifying ASMC subcon and our own Bucheon 6” fab line on 50/20 V Ultra FET product. CSMC will be the 3rd site to be qualified.
Scope : This qualification applies to all currently qualified 55/20 V UltraFETs device voltage rating not to exceed 55V.

Qualification Vehicles

DEVICE	VDS/VGS Rating	PKG
HUF75344P3	55/20V	TO-220

QUALIFICATION REQUIREMENTS

A) RELIABILITY TESTS, COMPONENT LEVEL

TEST DESCRIPTION CONDITION	REL LOCATION/ Applicability	DURATION	NBR OF LOTS	SAMPLE SIZE	ACC/ REJ	Ref Specs	Remarks
Pre-Post Stress Electrical Tests	MTP	All parts tested per the requirements of device specification		N/A	0/1	Datasheet Specification	Test is performed at room temperature
Parametric Verification	MTP		3 + 1	25	N/A	Data sheet	Provide parametric DC distribution at -40 C, 25 C and 150C on Test and Control
ACLV @ 121 °C, 15psi, 100% RH	MTP	96 Hrs	3	77	0/1	JESD22-A102	
TMCL@ -55C to 150 C, 30 min/cycle	MTP	500,1k cycles	3	77	0/1	JESD22-A104	

THBT 85 C/ 85% RH, 24V	MTP	168,500,1k hours	3	77	0/1	JESD22-A110-B JESD22A-101	
PRCL @ delta Tj of 100C	MTP	5k,10k	3	77	0/1	JESD22-A105	
HTRB @ 80% of Rated BV, 150C	MTP	168, 500, 1k hrs	3	77	0/1	JESD22-A108	
HTGB @ 100 % Rated VGS, 150C	MTP	168, 500, 1k hrs	3	77	0/1	JESD22-A108-B	

Affected FSIDs

BUZ11_R4941	HRF3205	HRFZ44N
HUF75307D3	HUF75307D3ST	HUF75307T3ST
HUF75307T3_ST136	HUF75309D3S	HUF75309D3ST
HUF75309P3	HUF75309T3ST	HUF75321D3
HUF75321D3S	HUF75321D3ST	HUF75321P3
HUF75321S3S	HUF75321S3ST_R4908	HUF75329D3
HUF75329D3S	HUF75329D3ST	HUF75329G3
HUF75329P3	HUF75329S3	HUF75329S3ST
HUF75332P3	HUF75332S3ST	HUF75333P3
HUF75333S3	HUF75333S3ST	HUF75337P3
HUF75337S3S	HUF75339G3	HUF75339P3
HUF75339S3ST_R4935	HUF75339S3ST_S2550	HUF75339S3ST_S2575
HUF75343G3	HUF75343P3	HUF75343S3
HUF75343S3S	HUF75343S3ST	HUF75344G3
HUF75344P3	HUF75344S3ST	HUF75345G3
HUF75345P3	HUF75345S3	HUF75345S3S
HUF75345S3ST	RF1K49154	RF1K4915496
RFD14N05	RFD14N05L	RFD14N05LSM
RFD14N05LSM9A	RFD14N05SM	RFD14N05SM9A
RFD16N05	RFD16N05LSM	RFD16N05LSM9A
RFD16N05SM	RFD16N05SM9A	RFD3055
RFD3055LE	RFD3055LESM	RFD3055LESM9A
RFD3055SM	RFD3055SM9A	RFD3055SM9A136
RFG70N06	RFP3055	RFP3055LE
RFP45N06	RFP50N06	RFP70N06